

JAPAN

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JIS S 0022-4 (2007) (English): Guidelines for
older persons and persons with disabilities --
Packaging and receptacles -- Evaluation method by
user

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*The citizens of a nation must
honor the laws of the land.*

Fukuzawa Yukichi

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**Guidelines for older persons and
persons with disabilities —
Packaging and receptacles —
Evaluation method by user**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Packaging Institute (JPI)/Japanese Standards Association (JSA), with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Guidelines for older persons and persons with disabilities— Packaging and receptacles—Evaluation method by user

Introduction

This Japanese Industrial Standard specifies the "method to objectively evaluate from the viewpoint of users", for the usability of packaging and receptacles of consumer products, based on **JIS Z 8071**, for the purpose of spreading manufacturing of packaging and receptacles that satisfy many people including older persons and persons with disabilities.

This evaluation method by user can be utilized for checking trial purchase products by consumer groups, etc. as well as for evaluation of developed products at companies.

In addition, this part of **JIS S 0022** is also expected to be utilized as an evaluation method for accessible design, universal design, etc. as well as for evaluating products designed with considerations given to older persons and persons with disabilities.

1 Scope

This part of **JIS S 0022** specifies the evaluation method of the usability of packaging and receptacles of consumer products at stages from their purchase to segregation and discharge from the viewpoint of many people including older persons and persons with disabilities.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions (including amendments) of the standards indicated below shall be applied.

JIS S 0021 *Guidelines for all people including elderly and peoples with disabilities—Packaging and receptacles*

JIS Z 8071 *Guidelines for standards developers to address the needs of older persons and persons with disabilities*

NOTE: Corresponding International Standard **ISO/IEC Guide 71:2001** *Guidelines for standards developers to address the needs of older persons and persons with disabilities* (IDT)

3 Terms and definitions

For the purposes of this Standard, the following definitions apply.

3.1 accessible design designs focussed on principles of extending standard design to people with some type of performance limitation to maximize the number of potential customers who can readily use a product, building or service

NOTE: Accessible design is a subset of universal design where products and environments are usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.

3.2 evaluation products products to be evaluated based on the evaluation method by user in this part of **JIS S 0022**

3.3 comparative products products to be evaluated under the same conditions for comparing with evaluation products

4 List of items for evaluating packaging and receptacles ("standard")

Table 1 shows the generalization as a "standard" to be applicable to all shapes of packaging and receptacles in that the items related to packaging and receptacles are extracted from "factors to consider" specified in **JIS Z 8071**.

Table 1 summarizes items that should be evaluated on usability of packaging and receptacles from viewpoints of "designs with considerations given for older persons and persons with disabilities". Thus, replacing these evaluation items with appropriate expressions according to product properties of the evaluation products can prevent omission and bias of evaluation items.

Table 1 List of items for evaluating the usability of packaging and receptacles ("standard")

Division		Evaluation item
Purchase	Product identification	<ul style="list-style-type: none"> · Is the product easy to identify? (No possibility of error purchase?) <ul style="list-style-type: none"> — Product name/design not similar to those of other products — Consideration on sizes of letterings, colour combinations, etc. · Can the product be identified, but not visually? <ul style="list-style-type: none"> — Easy to understand tactile indication for identification (braille, embossed letterings, symbols, notches, etc.) — Distinctive receptacles (shape, materials) · Is legal indication easy to understand? <ul style="list-style-type: none"> — Labelling positions of the amount contained, ingredients (including allergic substances), expiration date, etc.
	Carrying	<ul style="list-style-type: none"> · Is the product easy to carry? <ul style="list-style-type: none"> — Shape, weight, size and non-slipperiness for easy carrying
Storage ^{a)}	Storage method	<ul style="list-style-type: none"> · Is the storage method easy to understand? <ul style="list-style-type: none"> — Intuitive understanding — Easy to understand storage procedures/illustration and precautions on storage
	Easiness of storage	<ul style="list-style-type: none"> · Is the product easy to store? <ul style="list-style-type: none"> — Easy storage, non-falling, non-slipperiness when taken out — Easy product identification on storage, easy-to-read indication of expiration date (When multiple inner packages and unitary packages are present in a packaging container, necessary indication should be placed on each one of them)

Table 1 (continued)

Division		Evaluation item
Opening	Opening sites	<ul style="list-style-type: none"> · Are the opening sites easy to find? <ul style="list-style-type: none"> – Intuitive recognition, common opening sites – Easy to understand indications of opening sites · Can the opening sites be found, but not visually? <ul style="list-style-type: none"> – Palpable notches, concave-convex processing at the opening sites, etc.
	Opening method	<ul style="list-style-type: none"> · Is the opening method easy to understand? <ul style="list-style-type: none"> – Intuitive recognition, easy opening structure – For a new opening method, easy to understand opening procedures/illustration
	Easiness of opening	<ul style="list-style-type: none"> · Is the product easy to open? <ul style="list-style-type: none"> – Consideration for easy opening (knob, straight cut condition, anti-slipping device, etc.) – Consideration for weak hands, size of hands and fingers, handedness, etc.
Use	Holding	<ul style="list-style-type: none"> · Is the product easy to hold? <ul style="list-style-type: none"> – Shape, weight, and size that can be handled by one hand, hardness to slip – Stability (centre of gravity/balance, rigidity, etc.)
	Usage	<ul style="list-style-type: none"> · Is the usage easy to understand? <ul style="list-style-type: none"> – Intuitive understanding – Easy to understand usage procedures/illustration · Are the warning of danger and precautions for use easy to understand? <ul style="list-style-type: none"> – Consideration on sizes of letterings, color combinations, positions of indications, etc. – Indications for avoidance of danger, indications of responses in case of improper use or accidental ingestion and their easiness for understanding
	Usability	<ul style="list-style-type: none"> · Is the product easy to use and to refill (if the product is a refill)? <ul style="list-style-type: none"> – Shape, weight, and size that can be handled by one hand, hardness to slip – Easiness for taking out the contents (easiness to pour) – Easy to confirm appropriate amount for use, remaining amount, etc. – Consideration for scattering, excessive amount coming out, dripping, spilling, etc. · Can the contents be taken out completely? <ul style="list-style-type: none"> – Smallness in the amount left in the receptacle when finished · Can the product be safely used? <ul style="list-style-type: none"> – Consideration for danger, improper use and accidental ingestion, etc. (safeness even for careless mistakes)
Resealing	Resealing method	<ul style="list-style-type: none"> · Is the resealing method easy to understand? <ul style="list-style-type: none"> – Intuitive understanding – Easy to understand resealing procedures/ illustration
	Easiness of resealing	<ul style="list-style-type: none"> · Is the product easy to reseal? <ul style="list-style-type: none"> – Consideration for weak hands, handedness, etc. – Easy to confirm the resealing (by feel, sound, etc.)

Table 1 (concluded)

Division		Evaluation item
Storage ^{b)}	Storage method	<ul style="list-style-type: none"> · Is the storage method easy to understand? <ul style="list-style-type: none"> – Intuitive understanding – Easy to understand storage procedures/illustration and precautions for storage
	Easiness of storage	<ul style="list-style-type: none"> · Is the product easy to store? <ul style="list-style-type: none"> – Easy storage, non-falling, non-slipperiness when taken out – Easy product identification on storage, easy-to-read indication of expiration date (When multiple inner packages and unitary packages are present in a packaging container, necessary indication should be placed on each one of them) · Can the quality and sanitation of the contents be maintained in the environments for use and storage <ul style="list-style-type: none"> – Consideration for deterioration of the contents and prevention of mixing with foreign matters/liquids, etc.
Segregation		<ul style="list-style-type: none"> · Is the segregation method easy to understand? (segregation procedures, segregation indication) <ul style="list-style-type: none"> – Intuitive understanding – Easy to understand indications about the segregation method and precautions for segregation · Is the product easy to segregate? <ul style="list-style-type: none"> – Segregation by materials – Easy to fold/crush – No danger upon segregation
Disposal ^{c)}		<ul style="list-style-type: none"> · Is the disposal method easy to understand? <ul style="list-style-type: none"> – Intuitive understanding – Easy to understand indications of disposal method and precautions for disposal · Can the product be safely disposed? <ul style="list-style-type: none"> – No danger upon and after disposal
NOTE: Understandability of indications of the evaluation items in table 1. As for size of letterings, the estimation of minimum legible size is specified in JIS S 0032 . In addition, graphical warning symbols for consumers are specified in JIS S 0101 .		
Notes ^{a)} Storage before opening ^{b)} Storage after opening ^{c)} Disposal (recyclable garbage, flammable garbage, etc.)		

5 Evaluation procedures

5.1 Confirmation of aptitude as evaluation products

Evaluation products shall be confirmed if their design concepts are appropriate as a design with consideration given for older persons and persons with disabilities, or as products for evaluating accessible design, or universal design.

Products containing substances with problems in safety and environmental aspects shall not be used as evaluation products.

Conformity to **JIS S 0021** specifying the guidelines for packaging and receptacles for older persons and persons with disabilities shall also be required.

5.2 Preparation of comparative products

Those that are used for the same purposes as evaluation products and marketable shall be prepared as comparative products (competing products, similar products, etc.).

When appropriate comparative products cannot be found in the market, this provision shall not be applied.

5.3 Survey slip

5.3.1 Preparation of survey slips

Each item of the list of evaluation items in table 1, shall be replaced with those in appropriate expressions according to product properties of the evaluation product to prepare survey slips for the evaluation product as follows.

- a) Survey slips shall generally be prepared to correspond to all items in table 1, however, evaluation items that are not logically relevant shall be omitted.

Example : Products used up in only once does not require the evaluation on its easiness of resealing.

- b) Among the evaluation items concerning consideration for persons with certain disabilities in table 1, those that are difficult to realize due to technical reasons or those whose realization makes the cost too high to be economically competitive, may be withheld.

- c) When survey subjects for same evaluation item are at multiple parts, the question item shall be made for each part.

Example : easiness to open → easiness in opening outer packaging, easiness in opening inner packaging, easiness in opening unitary packages

- d) Question items shall be simply expressed in spoken language (e.g. Is it easy to use?) or in conditions (e.g. usability).

5.3.2 Form of survey slips

Form of survey slips is not specifically specified.

NOTE: Examples of survey slips are shown in Annex A as information.

6 Evaluation

6.1 Evaluation system

To ensure the objectivity of evaluation results, surveys for an evaluation product and comparative product should be conducted in parallel under the same conditions around the same time. However, when an appropriate comparative product cannot be found in the market, the evaluation product should be evaluated alone.

6.2 Monitor evaluation

6.2.1 General evaluations

Monitors reflecting the actual usage condition of the evaluation product shall be assembled for evaluating evaluation product and comparative product based on the survey slips prepared in 5.3.1.

NOTE 1 For the purpose of conducting a statistical verification, the number of monitors should be 30 persons or more.

NOTE 2 The structure of monitors should include older persons and persons with disabilities since it is to evaluate whether the design takes older persons and persons with disabilities into consideration.

In addition, persons with disabilities include those with transient physical dysfunction.

NOTE 3 To ensure the neutrality in evaluations, stakeholders of the evaluation products and comparative products should not be monitors.

6.2.2 Simple evaluation -1 (Evaluation with the power of test increased by loading)

To reproduce a condition of physical dysfunction, some loading such as opening with gloves, reading an indication under a lowered illumination etc. shall be imposed to evaluate evaluation products and comparative products based on the survey slips prepared in 5.3.1.

NOTE: Deficiencies that are not usually noticed can be found. On the other hand, when wrong method/ degree of loading are applied, evaluation results may be different from the actual conditions in general usage.

6.2.3 Simple evaluation -2 (Evaluation by quality evaluation experts)

Quality evaluation experts shall evaluate the evaluation products and comparative products based on the survey slips prepared in 5.3.1.

NOTE: Evaluation can be efficiently done by a small number of people. On the other hand, the evaluation may be strict.

6.3 Numeric conversion of evaluation results

The evaluation results should be captured in numeric terms for their rational advancement of aggregation, comparison and contrast, judgement, etc.

6.3.1 Setting of an evaluation standard

Five-grade evaluation as shown in table 2 shall be used with each grade weighted.

Table 2 Evaluation standard

Level	Evaluation contents	Weight
5	Good	100
4	Slightly good	75
3	Neither	50
2	Slightly bad	25
1	Bad	0

NOTE: Although more grades make the evaluation more detailed, the survey method becomes more difficult and expertise is required in the survey. Five-grade evaluation is easy to use for those with limited experience in surveys and appropriate for processing numeric conversion.

6.3.2 Aggregation of evaluation results

Aggregation of evaluation results shall be conducted as follows.

- a) **Evaluation scores of individual evaluation items** By using the following formula, the evaluation score is calculated by multiplying the weighted value of the individ-

ual level in each evaluation item with the number of respondents, and then, dividing total the resultant values by the total number of respondents.

$$y = (100 \times n_5 + 75 \times n_4 + 50 \times n_3 + 25 \times n_2 + 0 \times n_1) / n$$

where, y : evaluation score

n_5 : the number of respondents in level 5 shown in table 2

n_4 : the number of respondents in level 4 shown in table 2

n_3 : the number of respondents in level 3 shown in table 2

n_2 : the number of respondents in level 2 shown in table 2

n_1 : the number of respondents in level 1 shown in table 2

n : the total number of respondents

- b) **Mean evaluation scores of evaluation product and comparative product (simple method)** The evaluation scores (y) of individual evaluation items calculated in a) are totalized and then, divided by the number of the evaluated items to calculate the mean evaluation scores of evaluation product and comparative product.

7 Judgement based on evaluation results

The evaluation scores of individual evaluation items and the mean evaluation score of the evaluation product calculated in 6.3.2 should be evaluated from three viewpoints: "presence of high evaluation scores", "absence of low evaluation score", and "high mean evaluation score".

Evaluation products (packaging and receptacles) that meet all three requirements shown in the following can be judged as packaging and receptacles that satisfy many persons including older persons and persons with disabilities.

- a) **There are one or more individual evaluation items with high evaluation score**

NOTE: Individual evaluation score of 80 points or higher is an indication of high score.

- b) **There is no individual evaluation item with low score**

NOTE: Individual evaluation score of 40 points or less is an indication of low score.

- c) **Overall usability as packaging and receptacles is superior**

NOTE: Overall evaluation score average of 60 points or higher is an indication of overall usability being superior.

8 Recording of evaluation

Recording of evaluation should be conducted as follows.

- a) Name of evaluation product, name of manufacturer, usage and photos
b) Name of comparative product, name of manufacturer, usage and photos

- c) Structure of monitors (total number, number of older persons, number of persons with disabilities, etc.)
- d) Period of evaluation
- e) Evaluation results
- f) Survey slips
- g) Standard number
- h) Others

-
- References: JIS S 0032 *Guidelines for the elderly and people with disabilities—
Visual signs and displays—Estimation of minimum legible
size for a Japanese single character*
- JIS S 0101 *Graphical warning symbols for consumers*

Annex A (informative)

Examples of survey slip

Introduction

This Annex is to supplement the matters related to the text and not to constitute the provisions of this Standard.

A.1 Standard example of a survey slip

A survey slip of an evaluation product should be prepared with the individual evaluation items in table 1 replaced with those having appropriate expressions according to product properties of the evaluation product. Table A.1 is shown for a reference of a survey slip form, and tables A.2 to A.6 are shown as specific reference examples.

Table A.1 Standard example of survey slip

Evaluation date: Year Month Day		Product name:	Name of respondent (male/female, age)				
Division	Questions		Good	Slightly good	Neither	Slightly bad	Bad
Purchase	Is this product easy to identify?		5	4	3	2	1
	Can you identify the product, but not visually?		5	4	3	2	1
	Is the indication of ○○ easy to understand?		5	4	3	2	1
	Is the product easy to carry?		5	4	3	2	1
Storage (Storage before opening)	Is the storage method easy to understand?		5	4	3	2	1
	Was it actually easy to store?		5	4	3	2	1
	Is the indication of date (expiration date) easy to understand?		5	4	3	2	1
Opening	Outer package	Are the opening sites easy to find?	5	4	3	2	1
		Can you find the opening sites, but not visually?	5	4	3	2	1
		Is the opening method easy to understand?	5	4	3	2	1
		Was it actually easy to open?	5	4	3	2	1
	Inner package	Are the opening sites easy to find?	5	4	3	2	1
		Is the opening method easy to understand?	5	4	3	2	1
		Was it actually easy to open?	5	4	3	2	1
	Unitary package	Are the opening sites easy to find?	5	4	3	2	1
		Is the opening method easy to understand?	5	4	3	2	1
		Was it actually easy to open?	5	4	3	2	1
Use	Easiness to hold	Is the product easy to hold?	5	4	3	2	1
	Usage	Is the usage easy to understand?	5	4	3	2	1
		Is the indication of precautions for use easy to understand?	5	4	3	2	1
	Usability	Was it actually easy to use?	5	4	3	2	1
		Can you take out the contents completely?	5	4	3	2	1

Table A.1 (concluded)

Division		Questions	Good	Slightly good	Neither	Slightly bad	Bad
Use	Usability	Doesn't the product spill or drip?	5	4	3	2	1
		Can the product be hygienically used?	5	4	3	2	1
		Can the product be safely used?	5	4	3	2	1
Resealing		Is the resealing method easy to understand?	5	4	3	2	1
		Was it actually easy to reseal?	5	4	3	2	1
Storage (Storage after opening)		Is the storage method easy to understand?	5	4	3	2	1
		Was it actually easy to store?	5	4	3	2	1
		Is the indication of date (expiration date) easy to understand?	5	4	3	2	1
Segregation		Is the segregation method easy to understand?	5	4	3	2	1
		Was it actually easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)		Is the discharge method easy to understand?	5	4	3	2	1
		Can the product be safely discharged?	5	4	3	2	1
If you have any impressions or opinions, please feel free to write them down here (free description).							

Thank you very much for your cooperation.

A.2 Example of survey slip for seasonings (for Mabo tofu)

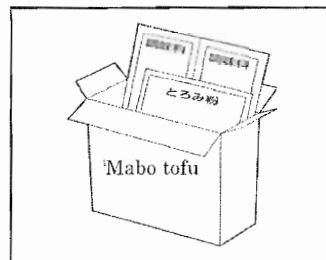


Table A.2 Example of survey slip for seasonings (for Mabo tofu)

Evaluation Date: Year Month Day		Name of product:	Name of respondent (male/female, age)				
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Division		Questions	Good	Slightly good	Neither	Slightly bad	Bad	
Purchase		Is this product easy to identify?	5	4	3	2	1	
		Can you identify the product, but not visually?	5	4	3	2	1	
		Are the amount contained, expiration date, etc. easy to understand?	5	4	3	2	1	
		Is the product easy to carry?	5	4	3	2	1	
Storage (Storage before opening)		Is the storage method easy to understand?	5	4	3	2	1	
		Was it actually easy to store?	5	4	3	2	1	
		Is the expiration date easy to understand?	5	4	3	2	1	
Opening	Outer case	Are the opening sites easy to find?	5	4	3	2	1	
		Can you find the opening sites, but not visually?	5	4	3	2	1	
		Is the opening method easy to understand?	5	4	3	2	1	
		Was it actually easy to open?	5	4	3	2	1	
	Seasonings	Are the opening sites easy to find?	5	4	3	2	1	
		Can you find the opening sites, but not visually?	5	4	3	2	1	
		Was it actually easy to open?	5	4	3	2	1	
	Thickening powder	Are the opening sites easy to find?	5	4	3	2	1	
		Can you find the opening sites, but not visually?	5	4	3	2	1	
		Was it actually easy to open?	5	4	3	2	1	
	Use	Easiness to hold	Is the product easy to hold?	5	4	3	2	1
			Is the usage easy to understand?	5	4	3	2	1
Usage		Is the indication of precautions for use, etc. easy to understand?	5	4	3	2	1	
		Usability	Outer case	Are the bags easy to take out?	5	4	3	2
Is the content easy to be let out?				5	4	3	2	1
Seasonings			Can the content be let out completely?	5	4	3	2	1
			Doesn't the product spill or drip?	5	4	3	2	1
			Thickening powder	Can the content be let out easily?	5	4	3	2
Can the content be let out completely?				5	4	3	2	1
Doesn't the product spill or drip?				5	4	3	2	1
Common			Can the product be safely used?	5	4	3	2	1

Table A.2 (concluded)

Division	Questions	Good	Slightly good	Neither	Slightly bad	Bad
Storage (Storage after opening)	Is the storage method easy to understand?	5	4	3	2	1
	Was it actually easy to store?	5	4	3	2	1
	Is the expiration date easy to understand?	5	4	3	2	1
Segregation	Is the segregation method easy to understand?	5	4	3	2	1
	Was it actually easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)	Is the discharge method easy to understand?	5	4	3	2	1
	Can the product be safely discharged?	5	4	3	2	1
If you have any impressions or opinions, please feel free to write them down here (free description).						

Thank you very much for your cooperation.

A.3 Example of a survey slip for shampoo (original product and refill)



Table A.3 Example of a survey slip for shampoo

Evaluation date: Year Month Day	Name of product: ○○ Shampoo	Name of respondent (male/female, age)				
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Division	Questions	Good	Slightly good	Neither	Slightly bad	Bad
Purchase	Is the content of this product easy to identify?	5	4	3	2	1
	Can you identify the product, but not visually?	5	4	3	2	1
	Are indications of the amount contained, ingredients, etc. easy to understand?	5	4	3	2	1
	Is the product easy to carry?	5	4	3	2	1
Storage (Storage before opening)	Is the storage method easy to understand?	5	4	3	2	1
	Was it actually easy to store?	5	4	3	2	1
Opening	Are the opening sites easy to find?	5	4	3	2	1
	Can you find the opening sites, but not visually?	5	4	3	2	1
	Is the opening method easy to understand?	5	4	3	2	1
	Was it actually easy to open?	5	4	3	2	1
Use	Is the product easy to hold?	5	4	3	2	1
	Is the usage easy to understand?	5	4	3	2	1
	Are the indications of precautions for use, etc. easy to understand?	5	4	3	2	1
	Was it actually easy to use?	5	4	3	2	1
	Can the content be used up to the last drop?	5	4	3	2	1
	Doesn't the product spill or drip?	5	4	3	2	1
	Can the product be safely used?					
Storage (Storage after opening)	Is the storage method easy to understand?	5	4	3	2	1
	Was it actually easy to store?	5	4	3	2	1
	Can the product be hygienically stored?	5	4	3	2	1
Segregation	Is the segregation method easy to understand?	5	4	3	2	1
	Was it actually easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)	Is the discharge method easy to understand?	5	4	3	2	1
	Can the product be safely discharged?	5	4	3	2	1

If you have any impressions or opinions, please feel free to write them down here (free description).

Thank you very much for your cooperation.

Table A.4 Example of survey slip for shampoo refill

Evaluation date: Year Month Day		Name of product: ○○ Shampoo (refill)		Name of respondent (male/female, age)		
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Division	Questions	Good	Slightly good	Neither	Slightly bad	Bad
Purchase	Is the content of this product easy to identify?	5	4	3	2	1
	Can you identify the product, but not visually?	5	4	3	2	1
	Are the indications of amount contained, ingredients, etc. easy to understand?	5	4	3	2	1
	Is the product easy to carry?	5	4	3	2	1
Storage (Storage before opening)	Is the storage method easy to understand?	5	4	3	2	1
	Was it actually easy to store?	5	4	3	2	1
Opening	Are the opening sites easy to find?	5	4	3	2	1
	Can you find the opening sites, but not visually?	5	4	3	2	1
	Is the opening method easy to understand?	5	4	3	2	1
	Was it actually easy to open?	5	4	3	2	1
Use	Is the product easy to hold?	5	4	3	2	1
	Is the refilling method easy to understand?	5	4	3	2	1
	Are the indications of precautions for use, etc. easy to understand?	5	4	3	2	1
	Was it actually easy to refill?	5	4	3	2	1
	Can the content be used up to the last drop?	5	4	3	2	1
	Doesn't the product spill or drip?	5	4	3	2	1
	Can the product be safely used?	5	4	3	2	1
Segregation	Is the segregation method easy to understand?	5	4	3	2	1
	Was it actually easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)	Is the discharge method easy to understand?	5	4	3	2	1
	Can the product be safely discharged?	5	4	3	2	1
If you have any impressions or opinions, please feel free to write them down here (free description).						

Thank you very much for your cooperation.

A.4 Example of survey slip for a canned drink



Table A.5 Example of survey slip for a canned drink

Evaluation date: Year Month Day		Name of product: ○○ in a can		Name of respondent (male/female, age)		
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Division	Questions	Good	Slightly good	Neither	Slightly bad	Bad
Purchase	Is this product easy to identify?	5	4	3	2	1
	Can you identify the product, but not visually?	5	4	3	2	1
	Are the indications of amount contained, ingredients, etc. easy to understand?	5	4	3	2	1
	Is the product easy to carry?	5	4	3	2	1
Storage (Storage before opening)	Are the indications of storage method and precautions easy to understand?	5	4	3	2	1
	Is the product easy to store and put away?	5	4	3	2	1
	Is the indication of expiration date easy to understand?	5	4	3	2	1
Opening	Is the opening site easy to find?	5	4	3	2	1
	Can you find the opening site, but not visually?	5	4	3	2	1
	Is the opening method easy to understand?	5	4	3	2	1
	Was it actually easy to open?	5	4	3	2	1
Use	Is the product easy to hold?	5	4	3	2	1
	Are the indications of precautions for use, etc. easy to understand?	5	4	3	2	1
	Is the product easy to drink and easy to pour?	5	4	3	2	1
	Is the content easy to be let out to the last drop?	5	4	3	2	1
	Doesn't the product spill or drip?	5	4	3	2	1
	Can the product be safely used?					
Segregation	Is the indication of material segregation easy to understand?	5	4	3	2	1
	Is the can easy to be crushed after use? Is it easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)	Is the discharge method easy to understand?	5	4	3	2	1
	Can the product be safely discharged?	5	4	3	2	1
If you have any impressions or opinions, please feel free to write them down here (free description).						

Thank you very much for your cooperation.

16.

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A.5 Example of survey slip for a drink contained in a PET bottle

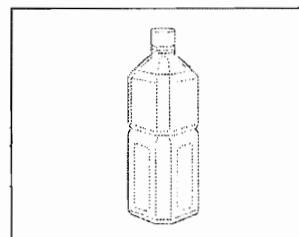


Table A.6 Example of survey slip for a drink contained in a PET bottle

Evaluation date: Year Month Day		Name of product: ○○ Tea		Name of respondent (male/female, age)		
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Division	Questions	Good	Slightly good	Neither	Slightly bad	Bad
Purchase	Is this product easy to identify?	5	4	3	2	1
	Can you identify the product, but not visually?	5	4	3	2	1
	Are the indications of amount contained, ingredients, etc. easy to understand?	5	4	3	2	1
	Is the product easy to carry?	5	4	3	2	1
Storage (Storage before opening)	Are the indications of storage method and precautions easy to understand?	5	4	3	2	1
	Is the product easy to store and put away?	5	4	3	2	1
	Is the indication of expiration date easy to understand?	5	4	3	2	1
Opening	Is the opening site easy to find?	5	4	3	2	1
	Can you find the opening site, but not visually?	5	4	3	2	1
	Is the opening method easy to understand?	5	4	3	2	1
	Was it actually easy to open?	5	4	3	2	1
Use	Is the product easy to hold?	5	4	3	2	1
	Are the indications of precautions for use, etc. easy to understand?	5	4	3	2	1
	Is the product easy to drink and easy to pour?	5	4	3	2	1
	Is the content easy to be let out to the last drop?	5	4	3	2	1
	Doesn't the product spill or drip?	5	4	3	2	1
	Can the product be safely used?	5	4	3	2	1
Resealing	Is the resealing method easy to understand?	5	4	3	2	1
	Was it actually easy to reseal?	5	4	3	2	1
Storage (Storage after opening)	Are the indications of storage method and precautions easy to understand?	5	4	3	2	1
	Is the product easy to store and put away?	5	4	3	2	1
Segregation	Is the segregation method easy to understand?	5	4	3	2	1
	Was it actually easy to segregate?	5	4	3	2	1
Discharge (Recyclable garbage, flammable garbage, etc.)	Is the discharge method easy to understand?	5	4	3	2	1
	Can the product be safely discharged?	5	4	3	2	1

If you have any impressions or opinions, please feel free to write them down here (free description).

Thank you very much for your cooperation.

Errata for JIS (English edition) are printed in *Standardization Journal*, published monthly by the Japanese Standards Association, and also provided to subscribers of JIS (English edition) in *Monthly Information*.

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